

Application No. 10/694,234
Amendment under 37 CFR 1.111
Reply to Office Action dated October 17, 2005
January 13, 2006

IN THE CLAIMS

Please substitute the following claims for the pending claims with the same numbers respectively:

Claim 1 (Original): A photoelectric switch comprising:
a casing having an elongated rectangular top surface; and
a first and a second display sections disposed side by side
on the top surface of the casing along a lengthwise direction
thereof;

wherein the first and the second display sections display at least one of a first display information and a second display information, the first display information includes a threshold value displayed on the first display section and a current light reception amount displayed on the second display section, and the second display information includes a tolerance value displayed on one of the first and the second display sections and at least one of the tolerance value and the current light reception amount displayed on the other of the first and second display sections.

Claim 2 (Currently amended): The photoelectric switch as claimed in claim 1, further comprising:

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~~an adjusting threshold value~~ a threshold value adjusting
switch provided on the top surface of the casing at an end part
thereof of the top surface of the casing in the lengthwise
direction thereof.

Claim 3 (Currently amended): The photoelectric switch as
claimed in claim 2, further comprising:

an output on/off indicator provided on the top surface of
the casing opposite [[an]] the end part of the top surface of the
casing where the threshold value adjusting switch is provided.

Claim 4 (Original): The photoelectric switch as claimed in
claim 3, further comprising:

a switch for switching between the first and the second
display information displayed on the first and the second display
sections provided on the top surface.

Claim 5 (Original): The photoelectric switch as claimed in
claim 1, wherein the first display information is numerically
displayed in a plurality of digits on the first and the second
display sections.

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Claim 6 (Original): The photoelectric switch as claimed in claim 1, wherein the first and the second display sections display a third display information, the third information includes a maximum current light reception amount displayed on one of the first and the second display sections and a minimum current light reception amount displayed on the other of the first and second display sections.

Claim 7 (Original): The photoelectric switch as claimed in claim 1, wherein the current light reception amount is displayed on the other of the first and second display sections as the second display information.

Claim 8 (Original): The photoelectric switch as claimed in claim 1, wherein the first and the second display sections numerically display in a plurality of digits.

Claim 9 (Currently amended): The photoelectric switch as claimed in claim 8, wherein the first and the second display sections display the plurality of digits in a lengthwise direction thereof of the display sections respectively, and the first and the second display sections are disposed so that the

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lengthwise direction ~~thereof is of the display sections are~~
parallel to the lengthwise direction of the top surface.

Claim 10 (Original): The photoelectric switch as claimed in claim 1, wherein at least one of the first and second display sections display at least one of a tolerance of a maximum value and a minimum value.

Claim 11 (Original): The photoelectric switch as claimed in claim 1, wherein the first and second display sections are disposed adjacent to each other so as to be positioned side by side on one face of the casing.

Claim 12 (Original): The photoelectric switch as claimed in claim 1, wherein said photoelectric switch is a separate-type photoelectric switch including a head unit for emitting light to an object to be detected and receiving light from the object, and a main unit for processing light received from the head unit, and wherein the first and second display sections are disposed on at least one of the head unit and the main unit.

Claim 13 (Original): The photoelectric switch as claimed in

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claim 1, wherein said photoelectric switch is a transmission-type photoelectric switch including a light emission head for emitting light to an object to be detected, a light reception head for receiving light from the object, and a main unit for processing the received light from the light reception head,

wherein the first and second display sections are disposed on at least one of the light emission head, the light reception head, and the main unit.

Claim 14 (Original): A photoelectric switch comprising:
a casing having an elongated rectangular top surface; and
a first and a second display sections disposed side by side
on the top surface of the casing along a lengthwise direction
thereof;

wherein the first and the second display sections display at least one of a first display information and a second display information, the first display information includes a threshold value displayed on the first display section and a current light reception amount displayed on the second display section, and the second display information includes a maximum current light reception amount displayed on one of the first and the second display sections and a minimum current light reception amount

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displayed on the other of the first and second display sections.

Claim 15 (Currently amended): The photoelectric switch as claimed in claim 14, further comprising:

a threshold value adjusting switch provided on the top surface of the casing at an end part of the top surface of the casing in the lengthwise direction thereof.

Claim 16 (Currently amended): The photoelectric switch as claimed in claim [[14]] 15, further comprising:

an output on/off indicator provided on the top surface of the casing opposite [[an]] the end part of the surface of the casing where the threshold value adjusting switch is provided.

Claim 17 (Original): The photoelectric switch as claimed in claim 16, further comprising:

a switch for switching between the first and the second display information displayed on the first and the second display sections provided on the top surface.

Claim 18 (Original): The photoelectric switch as claimed in claim 14, wherein the first display information is numerically

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displayed in a plurality of digits on the first and the second display sections.

Claim 19 (Original): The photoelectric switch as claimed in claim 14, wherein at least one of the first and second display sections display at least one of a tolerance of a maximum value and a minimum value.

Claim 20 (Original): The photoelectric switch as claimed in claim 14, wherein the first and second display sections are disposed adjacent to each other so as to be positioned side by side on one face of the casing.

Claim 21 (Original): The photoelectric switch as claimed in claim 14, wherein said photoelectric switch is a separate-type photoelectric switch including a head unit for emitting light to an object to be detected and receiving light from the object, and a main unit for processing light received from the head unit, and wherein the first and second display sections are disposed on at least one of the head unit and the main unit.

Claim 22 (Original): The photoelectric switch as claimed in

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claim 14, wherein said photoelectric switch is a transmission-type photoelectric switch including a light emission head for emitting light to an object to be detected, a light reception head for receiving light from the object, and a main unit for processing the received light from the light reception head,

wherein the first and second display sections are disposed on at least one of the light emission head, the light reception head, and the main unit.